

SECTION 12.

ENVIRONMENTAL ENGINEERING STANDARDS

The following guidelines are intended to provide standardized guidance for environmental issues at Mountain Home AFB. These guidelines are then followed by a short guide specification (SECTION 01061) intended to be used only for smaller contracts. For larger contracts, Project Managers should consider requiring the use of the Unified Federal Guide Specifications in lieu of the attached MHAFB Guide Specification 01061. Review of the unified guide specifications at “www CCB.org” is encouraged in all cases. Project Managers should consult with the Asset Management Flight in selecting which guide specification(s) to use.

This document is provided in PDF and MS-WORD format.

Following the Guide Specification are several forms, checklists and samples to assist the designers and engineers as well as the contractor performing the work.

WASTE DISPOSAL AND RECYCLING PLAN:

This plan is required in the environmental specification section whenever applicable.

HAZARDOUS MATERIALS REPORTING FORM:

This form is required as an attachment to the environmental specification section whenever hazardous materials may be used in the contract. An estimate of hazardous material quantities is required, as are manufacturer specific material data safety sheets.

HAZARDOUS MATERIALS MONTHLY USAGE LOG:

This form is required as an attachment to the environmental specification section whenever hazardous materials may be used in contracts ranging over an extended period of time..

PRECON CHECKLIST:

This checklist is used at all preconstruction conferences prior to the Contracting Officer’s issuance of the notice to proceed. Designers should use this checklist as additional guidance while writing the specifications. Project managers are requested to make this form available with the RFP and Design Packages.

PROJECT CHECKLIST:

This checklist should be used by all project managers and designers to assist them in addressing environmental concerns. Please use this while consulting or coordinating with the Asset Management Flight.

ENVIRONMENTAL GUIDELINES

ASBESTOS AND LEAD BASED PAINT MATERIALS

Projects involving asbestos containing materials for renovation or removal can reference 366th Wing Plan 3206-07 (or most current version) for project management procedures, policies, and required notifications. All asbestos/lead paint surveying and documentation will be the responsibility of the designer. MHAFB has an asbestos and lead database showing test results on some of the structures.

Contractor work involving asbestos and lead based paint removals shall comply with current regulations and including 40 CFR Part 61, 40 CFR Part 745, OSHA 1910, and OSHA 1926.

The contractor shall dispose of all asbestos materials off-base in an approved landfill.

Lead containing materials will have to be tested in order to determine proper disposal procedures.

WASTE DISPOSAL

All waste disposal activities must be coordinated in advance with the Hazardous Waste Program Manager (208-828-6351). Non hazardous construction debris generated by the contractor must be disposed of off-base. Weight tickets and descriptions of debris must be provided to the Asset Management Flight, building 1297.

RECYCLING CENTER

MHAFB's recycling center accepts all metals, cardboard, newspapers, and other mixed paper products. The recycling center can also assist with coordinating collection and pick up of recyclables. Contractors are encouraged to participate by recycling these products at the base recycling center. This list changes due to market fluctuations. Contact the recycling center for most current items (208-828-4212).

SOIL FARM

A soil farm may be available on base, with prior authorization and coordination, for treatment of a small quantity of soils contaminated with hydrocarbons. Space is limited. Check with the Asset Management Flight (208-828-6351) prior to developing plans to use this space.

ENVIRONMENTAL PERMITS

Processing of required environmental permits (i.e., air emissions, storm and industrial water discharge, etc.) prior to releasing the contract for execution shall be the sole responsibility of the designer(s). Please inform the Asset Management Flight of all environmental permit applications. These may vary on a case-by-case basis.

SANITARY DRAINS

Unless it is deemed necessary, it is preferred that oil/water separators are not used in draining areas where petroleum, oils and lubricants are encountered. If installing an oil/water separator an above ground system is preferred.

LIQUID STORAGE TANKS

Above ground storage tanks are required and shall meet all current regulations and code requirements. All tanks storing a hazardous liquid will either be of double walled construction, or secondary containment will be provided. Contact the Asset Management Flight for more specific information.

GREEN PROCUREMENT

Whenever technically feasible and cost effective, products installed in the project will use as much recycled material as possible in accordance with 366th Wing Plan 3213-08 (or most current version).

Mountain Home AFB
ENVIRONMENTAL GUIDE SPECIFICATION
SECTION 01061
ENVIRONMENTAL PROTECTION

PART 1 GENERAL

1.1 SCOPE

The contractor is responsible for complying with all Air Force, local, state, and federal laws and regulations regarding protection of the environment and natural resources.

1.2 QUALITY CONTROL

The contractor and subcontractors shall establish and maintain quality control for environmental protection of all items set forth in this specification. Record any problems in complying with laws, regulations, ordinances, and corrective actions taken.

1.2.1 Notifications: The Contracting Officer (CO) will notify the contractor in writing whenever noncompliance with Federal, state, or local laws, regulations, or permits is observed. In such cases, the contractor shall provide written response to the CO, outlining the proposed corrective actions and take such actions after receiving approval from the CO. If prompt action to comply with pertinent laws or regulations is not taken, the CO may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No time extensions will be granted for work stoppage due to the contractor's noncompliance with environmental laws and regulations. Costs or damages will not be allowed to the Contractor for any such suspension.

1.3 HAZARDOUS WASTE GENERATION

Notify the CO if any hazardous substance or waste, as defined by the Environmental Protection Agency (EPA), is produced as a by-product of work activities. Note: In general, hazardous wastes are usually generated when the following materials are used during the project:

- Paints
- Cleaners (any type), solvents, thinners
- Sealants / adhesives
- Gasoline or similar type fuels.

The CO will coordinate with CEAN ((208) 828-6351) to ensure that the Contractor properly stores, transports, and disposes of any wastes generated. The Contractor shall be responsible for the proper handling, transporting, and manifesting / disposal of such substances; and the cost incurred for complying with these tasks (See part 1.9).

1.4 HAZARDOUS WASTE TRANSPORTATION

Notify the CO before transporting any hazardous substance or waste, as defined by the Environmental Protection Agency (EPA), while at Mountain Home AFB (MHAFB). Identify the type and quantity of each substance, the origin and destination on/off MHAFB, and intended route of travel. By law, hazardous waste cannot be transported onto MHAFB (See part 1.9).

1.5 ASBESTOS AND LEAD CONTAINING MATERIALS

In the event asbestos or lead abatement is required, the contractor shall file the appropriate advanced notification(s) to the EPA. Submit notification copies to the CO and the Environmental Office prior to the start of work. The contractor shall ensure that the details of his abatement plan (containment/work area, clean rooms, load-out, clearance samples) has been reviewed by a

certified industrial hygienist and meet applicable Federal and OSHA regulations for asbestos and/or lead abatement projects.

1.6 SPILLS

1.6.1 Uncontrolled Spills: In the event of an uncontrolled spill the contractor shall notify the MHAFB Fire Department by calling 911 if using a phone on the MHAFB system or 828-1117. (*NOTE: Calling 911 from a cell phone or an off-base phone system will reach emergency services at the City of Mountain Home and then will be rerouted to MHAFB delaying response). MHAFB Fire Department will initiate the notification system via the established MHAFB notification system. CEAN will receive notification from the MHAFB Fire Department.

When the contractor reports a spill, he shall note if the spill falls into 1 of the 3 categories:

Class I Spill: Less than 2 lineal feet in any plane dimension.

Class II Spill: Not over 10 lineal feet in any one plane; or over 50 square feet; and not a continuing nature

Class III Spill: Over 10 lineal feet in any one dimension; over 50 square feet; of a continuous nature.

1.7 PROTECTION OF ENVIRONMENTAL RESOURCES

Protect environmental resources within the project boundaries and those affected outside the limits of permanent work under this contract during the entire period of this contract. Confine activities to areas defined in the drawings and specifications.

1.7.1 Protection of Land Resources: Do not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and land forms without special permission from the Contracting Officer except as otherwise specified or indicated. Do not disturb, drive through, or fill areas designated as wetlands. All construction activity, equipment staging, and material staging must stay within pre-approved site boundaries.

1.7.2 Protection of Water Resources: Keep construction activities under surveillance, management, and control to avoid pollution of surface and ground waters. If the project disturbs 1 or more acres of contiguous land, comply with EPA requirements for NPDES storm water construction general permits and comply with the conditions of the permit. Submit for information purposes a printed copy of the Notice of Intent (NOI) and a copy of the Storm Water Pollution Prevention Plan (SWPPP), through the CO, to the MHAFB Natural Infrastructure Management Office.

In all cases of land disturbance, each storm water removal and treatment structure must be in conformance with the "Catalog of Storm Water Best Management Practices for Idaho Cities and Counties". These best management practices shall be employed to control storm water runoff. Ensure there are no unauthorized discharges to the storm water collection system. Ensure all discharges to the sanitary sewer system are in accordance with the requirements of the wastewater treatment plant NPDES and wastewater land application permits.

1.7.3 Protection of Air Quality: Control dust particles, aerosols, and gaseous by-products from construction and demolition activities, processing, and preparation of materials at all times, including weekends, holidays, and hours when work is not in progress. Control hydrocarbons and carbon monoxide emissions from equipment to Federal and state allowable limits at all times.

Burning shall be prohibited on the air-base premises.

If required by the contract, portable concrete batch plant, portable rock crushing plant, hot mix

asphalt plant, and associated generators must be permitted in State of Idaho by the contractor prior to construction. Copies of the permits must be submitted to the Contracting Office and coordinated through the COR/QAE and the Civil Engineering Asset Management Flight Natural Infrastructure Branch (CEAN). Location of the plant(s) must be coordinated through the CO. The Contractor shall provide monthly through-put quantities and generator hours to CEAN through the COR/QAE. While operating at MHAFB, contractors are responsible for their own permit requirements/conditions.

1.7.4 Protection of Acoustic Environment: Use low noise emission equipment and products certified by the EPA to the maximum extent possible. Refer to: “40 CFR 204 Noise Emission Standards for Construction Equipment”

1.8 DISPOSAL AND CLEANUP

1.8.1 Refuse Disposal: Refuse shall be defined as debris other than organic materials like trees, brush, leaves, grass, stumps, etc. Include the cost of refuse disposal, such as dumpsters, transportation, handling, dumping fees as applicable, and similar cost, in the contract price. Place refuse in containers that are emptied on a regular schedule. Conduct all handling and disposal of refuse to prevent contamination of the environment. Dispose of refuse off site, in accordance with all local, state, and federal rules and regulations, following coordination with the CEAN and the Contracting Officer (CO), at the Contractor's expense.

1.8.2 Asbestos/Lead Disposal: All asbestos containing materials shall be disposed off-base by the contractor at an approved landfill. Lead containing materials may be considered hazardous waste and will need to be tested in order to determine if it's hazardous or solid waste for disposal purposes.

1.8.3 Additional Restrictions: Scales available for use are located at DRMO, building 1322. Weight tickets must be forwarded to 366 CES/CEAN on a monthly and/or end of project basis.

Do not deposit refuse in existing containers or dumpsters. Do not dispose of any batteries, tires, appliances, recyclable materials, liquids, hazardous materials, or hazardous wastes in the MHAFB landfill. Do not pour, drain, or wash cleaners and other solutions into plumbing fixtures, sanitary sewers, or storm sewers. Refuse shall not be burned. Burning of vegetation or tree stumps will not be allowed unless the work site is in an area approved for burning and approval is obtained from the CO in conjunction with the base Fire Chief and Wildland Fire Program Manager.

1.9 CHEMICAL OR HAZARDOUS WASTE

1.9.1 Ownership: Hazardous waste generated by construction operations remains the property of the Contractor and shall be manifested and removed from Mountain Home AFB for proper disposal. MHAFB still retains liability therefore the Contractor is required to coordinate with the Asset Management Flight ((208) 828-6351) through the CO for proper storage, characterization, transport and disposal of waste from MHAFB. The contractor must complete a uniform hazardous waste manifest as required in Part 1.9.5 below.

1.9.2 Compliance with Regulations: Contractor operations shall be in compliance with the Resource Conservation and Recovery Act (RCRA), 40 CFR, and Idaho Rules, Regulations and Standards for Hazardous Waste, (Idaho Code 58.01.05) at all times.

1.9.3 Limits: No more than 55 gallons, total, of hazardous waste shall be accumulated by the Contractor on site. Once the 55-gallon limit is reached, the Contractor has 72 hours to remove the waste from Mountain Home AFB and dispose of properly. The Contractor must coordinate with the Asset Management Flight ((208) 828-6351) through the CO for the location where

hazardous waste is to be accumulated, the containers used for storage, and transportation off of MHAFFB.

1.9.4 Submit a Hazardous Materials/Hazardous Waste Control Plan to the CO for approval and coordination if any materials will be used that are corrosive, flammable, toxic, or reactive.

1.9.5 Hazardous wastes shall be manifested off of MHAFFB. Comply with all applicable regulations and laws when transporting hazardous waste and materials. These include, but are not limited to, Department of Transportation (DOT), EPA, and Idaho Department of Environmental Quality (IDEQ) regulations (40 CFR, 29 CFR, IDAPA 58.01). The Asset Management Flight ((208) 828-6351) is the only approval authority for hazardous waste transportation/disposal for MHAFFB. The Contractor is required to coordinate with the Asset Management Flight ((208) 828-6351) through the CO to manifest hazardous waste off of MHAFFB.

1.9.6 Disposal of Discarded Materials: Discarded materials, other than those that can be included in the solid waste category, shall be handled by the contractor as directed by the CO. The CO will coordinate with the Asset Management Flight ((208) 828-6351) regarding the applicable and appropriate handling and disposal of these materials.

1.10 HAZARDOUS MATERIALS (HAZMAT)

1.10.1. Contractors Use of Hazardous Materials on Base: There are two categories of contractors using HM on MHAFFB. Contractor's hazardous materials will NOT be bar-coded. Contractor categories and HM tracking requirements are as follows:

- a. Long term contractors: These contractors have been awarded a contract (of any type) that has an estimated or expected duration of 6 months or more and hazardous materials are expected to be used during performance of the work. Examples of these types of contracts include, but are not limited to: US Army Corps of Engineers projects, MAJCOM projects and base maintenance contractors. The AF3952s will be valid for the duration of the contract whenever possible. Long term contractors must complete ALL requirements listed in part 1.10.2.
- b. Short term contractors: Short term contractors have been awarded a contract (of any type) that has an estimated or expected duration of less than 6 months and are expected to be using hazardous materials during performance of the work. These contracts will be evaluated by the 366 CES/CEV HAZMAT Manager and/or the MHAFFB HMMP Team on a case by case basis. Contractors in this category may be required to track all, partial, or none of their HM dependant upon the type of work to be done, and the types and quantities of HM to be used. The QAE/COR must contact the 366 CES/CEAN HAZMAT Program Manager (HMPM) for determination of these type of contracts.

1.10.2. HAZMART Tracking Procedures for Contractors: For the purposes of establishing the required HAZMART account and processing hazardous materials authorization requests, ALL contractors must submit the following to the COR/QAE at least 30 calendar days prior to bringing the requested hazardous materials onto MHAFFB:

A completed "MHAFFB Contractor's Hazardous Materials Reporting Form," included in Attachment 5 of the MHAFFB HAZMAT Monitor's Handbook, listing all hazardous materials intended to be used during the contract with either actual or maximum estimated quantities. The Reporting Form is also available from the HAZMART at (208) 828-2360/2690, or the HMPM at (208) 828-6351.

A copy of a manufacturer specific Material Safety Data Sheet (MSDS) for each hazardous

material listed on the Reporting Form.

[**SHORT TERM CONTRACTORS STOP HERE** and await determination. If, after submitting the paperwork from items 1 and 2 your COR/QAE notifies you that you **MUST** track any or all of your hazardous materials, continue on from here for all hazardous materials that are required to be tracked. If you are **NOT** required to track **ANY** hazardous materials, you are finished at this point.]

The COR/QAE will then submit the packet to the 366 CES/CEAN HMPM, Bldg 1296 for authorization review. The contractor will be notified through the COR/QAE if any of the requested hazardous materials are disapproved for use on MHAFB. The contractor will then be required to identify a replacement hazardous material. Once approved, the packet will be transferred to the HAZMART for input into the EMIS/EESOH-MIS system which will generate an approved AF Form 3952. Upon completion, the HAZMART Pharmacy will contact the COR/QAE who will pick up the packet along with the approved AF Form 3952s (one per chemical) and return them to the contractor. Where possible, the AF Form 3952s will be approved for the duration of the contract. The contractor shall be responsible to maintain the AF Form 3952s and MSDS(s) and submit them for inspection upon request. The contractor shall be responsible for providing proper storage (e.g. flammable, combustible, corrosive, secondary containment, etc) and practice safe usage and handling of hazardous materials at all times. Contractors will store bulk quantities of hazardous materials off base whenever possible.

1.10.3. Monthly Reporting: The contractor will keep track of actual hazardous materials usage quantities and report the quantities monthly to the HAZMART. This will be done by maintaining the “Contractor’s Hazardous Materials Monthly Usage Reporting Form,” included in Attachment 6 of the MHAFB HAZMAT Monitor’s Handbook, and faxing it directly to the HAZMART and copy furnishing the COR/QAE on or before the 5th day of each month. The fax number to the HAZMART is (208) 828-2335 where this form is also available.

1.10.4. Adding a New Hazardous Material: If a hazardous material needs to be used which had not been previously authorized or included on the initial “MHAFB Contractor’s Hazardous Materials Reporting Form”, the contractor shall provide items 1 and 2 above to the COR/QAE and await the return of the packet with approved AF Form 3952s.

1.10.5. Closing out the HAZMART Account upon Completion: Upon completion of the contract, the contractor must contact the HAZMART and ensure that all hazardous materials used during the contract had been reported to the best accuracy possible. Only containers of hazardous materials that were completely consumed during performance of the work need to be accounted for. ALL left over - full, partially full or empty hazardous materials containers not used during performance of the work are the property of the contractor and will be removed from MHAFB upon completion of the contract unless specific prior arrangements have been made with the COR/QAE in coordination with the HMPM.

1.10.6. Reserved Right of MHAFB HMMP Team: The MHAFB HMMP Team reserves the right to include any and all contractors, regardless of contract duration or scope of work, or tenant/vendor functions or facilities, upon determination of the HMMP Team, into any or all requirements stated in the MHAFB HAZMAT Monitor’s Handbook.

1.11 BACKFLOW PROTECTION DEVICES

Use backflow protection devices if tapping into a hydrant to gain a water source for activities.

1.12 PROTECTION OF NATURAL AND CULTURAL RESOURCES

1.12.1 Definition: Cultural resources shall be defined as historic or prehistoric artifacts,

pictographs, human remains, and any other evidence of historic human activity, including but not limited to: old bottles, cans, and whole or fractured tools, arrowheads, spear points, or pottery. Any man-made object may be a cultural resource. All man-made objects shall be identified to the QAE as described in 1.12.2.

1.12.2 Disturbance of Cultural Resources: Do not disturb any site that contains evidence of cultural resources. If evidence of cultural resources is discovered, stop work and notify the QAE. The QAE will then notify the MHAFFB Cultural Resource Manager at 828-4247 or 828-6351. Do not resume work until notified by the QAE or CO.

1.12.3 Impact to Any Historical, Archaeological Cultural Resource, Biological Resources or Wetlands: The contractor shall provide a historical, archaeological, and cultural resources plan; a biological resources plan; and a wetlands plan that defines procedures for identifying and protecting historical, archaeological, cultural, and biological resources and wetlands known to be on the project site: and/or identifies procedures to be followed if historical, archaeological, cultural, and biological resources and wetlands not previously known to be onsite or in the area are discovered during construction. The plan shall include methods to assure the protection of known or discovered resources and shall identify lines of communication between Contractor personnel and the Contracting Officer.

1.12.4 Disturbances or Damage to Flora and Fauna: The Contractor shall minimize interference with, disturbance to, and damage to fish, wildlife, and plants including their habitat. The Contractor shall be responsible for the protection of threatened, endangered, species of concern, migratory birds, or otherwise protected animal and plant species, including their habitat in accordance with the MHAFFB INRMP, Federal, State, Regional, and local laws and regulations. If species of concern are encountered within the project footprint, contact the MHAFFB Natural Resources Manager at 208-828-6668 or 6351.

1.13 RADIOACTIVE MATERIALS

1.13.1 Request to bring radioactive materials or nuclear devices on Mountain Home: Submit requests to bring radioactive materials or nuclear devices on Mountain Home AFB 30 days prior to planned activities using the material or devices. Such devices include those required to test soil density by nuclear methods, lead paint meters, and any apparatus containing radioactive material. Requests shall be submitted to the CO for review by the MHAFFB Radiation Safety Officer (RSO) at the 366 ADS/SGGB (208-828-7270). The request shall include the following:

- A description of the proposed activities on Nuclear Regulatory Commission (NRC) Form 241, Report of Proposed Activities in Non-Agreement States. Include proposed activities, locations of use, and traffic routes to be used.
- The procedures established to ensure the health and safety of personnel while the device is on MHAFFB.
- A current and valid copy of the applicable NRC or Agreement State license. The license must state Mountain Home AFB by name, or state approval for work at temporary work sites where the NRC or Agreement State maintains jurisdiction. In lieu of a license, submit a written certification of exemption from NRC licensing requirements, and cite the applicable exemption of 10 CFR.
- The most current leak detection test results. Provide new results to the CO if updating of the leak detection test is required during the Project.
- A copy of that part of the contract describing work to be done at MHAFFB and the inclusive dates of the work

- Agreement State licensees using NRC regulated materials shall supply a copy of the NRC Form 241 approved by MHAFFB's NRC Region according to 10 CFR 150.20.

1.13.2 Prior Permission: Obtain permission from the CO prior to storing the radioactive devices at MHAFFB overnight.

1.13.3 Monitoring: The RSO may make periodic checks to ensure proper radiation safety practices are being followed.

1.14 RECYCLING

1.14.1 Requirements: Recycling is required to the maximum extent practicable for all waste generated by the contractor. Demolition projects must utilize deconstruction practices as much as feasible. All materials removed from facilities prior to demolition for re-use must be weighed and weights must be reported to 366 CES/CEAN monthly or at the end of the project if lasting less than one month.

1.14.2 Sorting: Recycling shall consist of sorting and delivering recyclable items to the appropriate recycle processors, which are private or government entities currently accepting material for the purpose of recycling. The MHAFFB recycling center reserves the right to not accept the contractor's recyclables at his/her discretion.

1.14.3 Recyclables: Recyclable items include: wood, all metals, cardboard, plastics, and paper. Contact the base recycling center 828-4212 for latest recycling information or to make arrangements for on-site bins.

1.14.4 Waste Disposal and Recycling Plan: Submit a Waste Disposal and Recycling Plan for the Government's approval prior to contract start. (See the sample "Waste Disposal and Recycling Plan" below). When preparing the plan, the contractor may contact the MHAFFB Recycle Center at 828-4212 or the Solid Waste Manager at 828- 1853 for advice and suggestions on how to best satisfy the recycling requirement. Submit the plan to the Contracting Officer for coordination with the MHAFFB Environmental Office, 366 CES/CEV. The plan shall include, at a minimum:

- Brief description of work done under the contract
- Identification of the major waste stream (categories of waste, e.g. wood, fixtures, cardboard, etc) to be generated,
- Intended method and location of disposal or recycling for each waste system

1.15 SPILL PREVENTION AND CONTROL

1.15.1 Spill Response Plan: Develop a spill response plan (Site Specific Contingency Plan (SSCP)) that addresses prevention and control of spills for each type chemical and fuel used or stored at each site occupied under this contract. Contact the POL/Fuel Storage Tanks Protocol Manager at MHAFFB, CES/CEAN; phone 208-828-6351 for assistance to develop the SSCP. CES/CEAN has a SSCP template form available for Contractor review and use as a form. The SSCP must include the name of the individual (and an alternate individual) who will report any spills or hazardous substance releases and who will follow up with complete documentation. Each employee must be familiar with the plan so risk of spills is minimized and response to spills can be dealt with in a manner to minimize impact to the environment. The Contractor shall be responsible for all costs associated with cleanup and restoration of sites contaminated by chemicals from Contractor activities. The elements of the plan should include the following:

- PREVENTION: Methods and procedures established by the Contractor to prevent spills from occurring. Examples include ensuring connections are tight, providing containment

when drawing off chemicals from a container or transferring chemicals, closing containers when not in use, and using proper equipment for the job.

- **CONTROL:** Procedures to control the spread of a substance or chemical should spill, release or leak occur. The intent is to minimize environmental contamination without physical harm to people in the area.
- **SUPPLIES:** Provide necessary supplies and equipment on hand to control any spills, leaks, or releases. These include pads and other absorbent material, trays, mats to cover manholes and drains, etc.
- **TRAINING:** The Plan must ensure employees, including subcontractors working on the job, are educated and trained in the prevention and response procedures that are tailored to the specific site and task.
- **PROCEDURE OUTLINE:** An outline of expected procedures to be followed in the event of a release or spill of a chemical is provided for the Contractor's use. The Contractor is ultimately responsible for ensuring spills do not occur and responding in a manner to prevent harm to people and minimize environmental contamination. The person discovering the spill or release is responsible for initiating the Spill Response Plan and providing initial defensive actions without undue risk of personal injury. Implement the following actions as necessary upon discovery of the spill or release. Initiate evacuation if required.
- Notify the base Fire department at 828-1117. [NOTE: You may use 911, but only when using an on-base landline telephone network system (using a cell phone to call 911 will delay the user by routing to the City of Mountain Home Emergency System, then being rerouted to base)]. The caller should provide the following information to the base fire department if known or can be reasonably determined:
 - a. Name, and company, of individual reporting the spill
 - b. Location and size of the spill or release:
 - Class I Spill: Less than 2 lineal feet in any plane dimension
 - Class II Spill: Not over 10 lineal feet in any plane; not over 50 square feet; and not of a continuous nature
 - Class III Spill: Over 10 lineal feet in any one dimension; over 50 square feet; and/or of a continuous nature
 - c. Number of injured personnel and nature of injuries (if applicable)
 - d. Substance spilled or released, based on knowledge, labels, signs, etc.
 - e. Estimated rate of substance release
 - f. Time spill occurred
 - g. Extent to which spill has traveled
 - h. Any additional information that might aid the Fire Department, such as other potential hazards at the site
 - i. Stop the spill or release at the source whenever possible without risking personal injury.
 - j. Contain the spilled material to prevent further spread and release to drainage ditches, pipes, manholes, storm water drop inlets, etc.
 - k. Secure the area to ensure unauthorized personnel do not approach or become endangered.
 - l. Ensure all sources of ignition are restricted and prevented in the area when flammable substances are involved.
 - m. Contact the CO and CEAN (828-6351) and inform them of the situation. The CO is to

ensure the proper paperwork is completed for release. If the release is over the reportable quantity, CEAN is to make all state and federal notifications.

Note: Small spills that can be contained and cleaned up by the Contractor without any damage to the environment may not require all the steps above. Ultimately, the responsibility rests with the Contractor to properly cleanup the spill to Environmental Protection Agency (EPA) and State of Idaho Department of Environmental Quality (IDEQ) standards. In all cases, the CO must be notified as soon as possible.

1.16 MAINTENANCE OF POLLUTION CONTROL FACILITIES

Maintain all constructed facilities and portable pollution control devices for the duration of the contract or for that length of time construction activities create the particular pollutant.

1.17 RESTORATION OF LANDSCAPE DAMAGE (VEGETATION - SUCH AS TREES, PLANTS, AND GRASSES)

1.17.1 Excavation: Exercise care when excavating trenches near trees. Where roots are 2 inches in diameter or greater, excavate the trench by hand and tunnel under the roots. When large roots are exposed, wrap them with wet heavy burlap for protection and to prevent drying. Trenches dug by machines adjacent to trees having roots less than 2 inches in diameter shall have the sides' hand trimmed making a clean cut of the roots. Trenches having exposed tree roots shall be backfilled within 24 hours unless the roots are adequately protected by moist burlap or canvas.

1.17.2 Landscape Restoration: Restore all landscape features, such as trees, plants, shrubs, grasses, etc, damaged or destroyed during Contractor operations outside and within the work areas. Restoration shall be to a condition similar to that which existed prior to construction activities unless otherwise indicated on the drawings or in the specifications. Areas that were not improved prior to disturbance will be semi-improved with a seed mix reviewed and approved by 366 CES/CEAN (828-6668). This restoration shall be done at no additional cost to the Government. If the Contractor fails or refuses to repair the damage promptly, the Contracting Officer may have the necessary work performed and charge the cost to the Contractor.

1.17.3 Landscape Replacement: Replace trees in kind with a minimum 4-inch caliper nursery stock. Shrubs, vines, and ground cover shall be replaced in kind; size to be approved by the Contracting Officer.

- PLANT MATERIALS: All plant material shall meet specifications outlined in ANSI Z60.1, "American Standard for Nursery Stock."
- GRASS REPLACEMENT: Replace grass areas in kind by sod or seeding. Sod shall be required in all regularly maintained lawn areas and shall be installed in accordance with Section 02900 American Sod Producers Association Guideline Specifications to Sod. Do not use Kentucky Bluegrass sod. Zone appropriate Turf Type Tall Fescue is preferred.
- GRASS SEEDING: Install grass seeding on a minimum 4-inch topsoil and according to Section 02900 [OR as recommended by the local county extension service]. Do not use Kentucky Bluegrass or annual ryegrass seed. Zone appropriate Turf Type Tall Fescue is preferred.
- PLANT SPECIES: Acceptable replacement plant species are in Schedule A to Section 02900.

1.18 OZONE DEPLETING SUBSTANCES (ODS)

Products using Class I ODS are prohibited for use at MHAFFB. Currently, the only Class I ODS waiver being approved for use on base is for aircraft fire suppression systems.

PART 2 PRODUCTS

2.1 GREEN PROCUREMENT

2.1.1 For all procured goods and services, the contractor shall ensure that the recovered content associated with those items is met, as identified in the EPA Comprehensive Procurement Guideline (CPG). The USEPA website for CPG information is at <http://www.epa.gov/cpg/products.htm>. The products on this list are designated items that meet recycled content requirements. These items are or can be made with recovered materials and should be used by procuring agencies in carrying out the objectives of green procurement. The Recovered Materials Advisory Notice (RMANs) for each product specifies recommended percentages of recycled materials that should be contained in each product. Items that are not listed on the EPA CPG are not subject to the green procurement program.

2.1.2 When making purchases, any decision to acquire items not meeting EPA CPG and RMAN standards must be based on one of four listed waivers and a written documentation must be prepared. The written documentation applies for all purchases greater than \$2500 (purchases less than \$2500 are exempted from written documentation by Executive Order 13101). Where repetitive purchases of the same items are made, an annual blanket determination can be used. The exemptions for not meeting recycled content products can be claimed based on one of the four criteria:

- a. Are not available within a reasonable period of time; or
- b. Fail to meet the performance standards set forth in applicable project specifications or fail to meet reasonable performance standards; or
- c. Are not available from a sufficient source to maintain a satisfactory level of competition (must be available from two or more sources); or
- d. Available at an unreasonable price, if the price of the recycled content product exceeds the cost of a comparable non-recycled item, the price is considered unreasonable.

2.1.3 Concerning items not meeting USEPA recycled content standards:

- a. When procuring items not meeting USEPA recycled content standards it must be based on one of the four exemptions listed above and requires written documentation. The requirement applies to all purchases greater than \$2500 (including GPC) but less than \$100,000. Required documentation forms (Recovered Materials Determination Form and Certification) are available by contacting 366 Environmental Flight. The exemption forms will be used according to the following:
- b. Purchase's greater than \$2500 but less than \$100,000 will be signed by the procurement originator's supervisor, or designated representative. The determination and certification form will be filed with the purchase paperwork (including GPC), Form 9, or contract purchase.
- c. If the purchase is \$100,000 or greater, the contractor shall contact 366 Environmental Flight or the CO to obtain information on signatory authority. All forms (the determination and certification forms) will be filed with kept in the contract file.
- d. When repetitive purchases of the same items are made, an annual blanket determination can be approved.

PART 3 EXECUTION

3.1 DISPOSAL: The contractor may choose to dispose of any or all of the waste streams in the following manner:

3.1.1 Dispose of any or all of the waste streams off-base. Recover any or all of the waste streams by sending them to an off-base recycling company or center.

3.1.2 Turn in of some waste streams to the MHAFB recycling program with the Government's approval. The acceptance of these waste streams depends on the Government's ability to process the waste stream and the contractor's ability to adequately prepare the waste stream to meet the Government's condition requirements. The Government is currently encouraging the recycling of the following items on MHAFB:

- a. Wood
- b. All Scrap Metal
- c. Corrugated Cardboard
- d.
- e. Paper
- f. Plastics

3.2 SAMPLE WASTE DISPOSAL AND RECYCLING PLAN

A sample Waste Disposal and Recycling Plan is provided on the following page.

WASTE DISPOSAL AND RECYCLING PLAN

CONTRACT # MTH - XXXXXXXX

CONTRACT TITLE: Repair building XXXX

CONTRACTOR'S NAME XYZ CONSTRUCTION

CONTRACTOR'S POINT OF CONTACT

NAME Joseph Slump

PHONE NUMBER 888-777-6543

Briefly describe the work to be done under the contract:

Renovate 6000 sq. ft. in building XYZ. Plumbing, electrical, and mechanical systems are scheduled to be replaced. Floor plan to be changed with new floors, walls, and ceilings. Asbestos abatement planned on existing floor tile mastic and insulation.

Identify the major waste stream materials (categories of waste, e.g., wood, fixtures, cardboard, etc.) to be generated:

Scrap Metal

ACM

Wood Waste

Fixtures

Mixed Demo Debris

Inert Debris

Denote the intended method and location of disposing or recycling of each waste stream:

Scrap Metal: Existing water pipe (copper), ductwork (steel), and electrical wiring (copper) will be turned in to the MHAFB Recycling Center.

ACM: All asbestos containing material will be transported off base to the (insert name of the firm to receive the material) company

Wood Waste: Contractor will keep re-usable wood scraps and turn in smaller scraps to the MHAFB Recycling Center free of other bulk building material.

Plumbing and Electrical Fixtures: Contractor will salvage existing fixtures to be removed for re-use in later projects or sale to others. Fixtures will be removed from Mt Home AFB prior to the end of the contract. List of re-used items will be provided to 366 CES/CEVQ.

MHAFB Contractor's Hazardous Materials Reporting Form

[illegible]

MHAFB Contractors Hazardous Materials Reporting Form

- Continuation Sheet -

[illegible]

MHAFB CONTRACTOR'S HAZARDOUS MATERIALS REPORTING FORM INSTRUCTIONS

1. Company name, address and telephone number.
2. Project name or identifying description and government contract number.
3. As written.
4. Date that this form was submitted to the QAE or HAZMART.
5. Name and phone, or cell number of the contractor's on-site project manager, foremen, or contact person.
6. Name and phone, or cell number of government Quality Assurance Evaluator (QAE) assigned to the project.
7. HAZMART account number – assigned by the HAZMART once an account is established for this project.
8. Location, or nearest location or building number where the actual work is to take place.
9. Manufacturer's name and product description of the hazardous material being reported.
10. National Stock Number (NSN) from MSDS, part number, or a number or code identifying the container or material.
11. As written.
12. Container sizes for the product reported: LB = pound, OZ = ounce, GL = gallons, PT = pint, QT = quart, LT = liter, KG = kilogram. **Ounces** is the most preferred.
13. Known or projected total quantity or amount of this material expected to be used in this project.

Additional Information

A manufacturer-specific Material Safety Data Sheet (MSDS) is required for each item listed on this form and must be turned in with this form.

For additional guidance, refer to the MHAFB HAZMAT Monitor's Handbook available from 366th CES/CEAN HAZMAT Manager, at COM: (208) 828-6351, or DSN: 728-6351.

Contact Information

366 CES/CEAN

(208) 828-6351

366 CES Hazardous Materials Program Manager (208) 828-6351

HAZMART Pharmacy

(208) 828-2360/2690

MHAFB HARDOUS MATERIALS MONTHLY USAGE LOG

Contractor Name: _____ Proj. # _____

POC Name / Number: _____ Date: _____

FAX THIS DOCUMENT TO: 208-828-2335

<u>Manufacturer and Product Name/Description</u> (ex: ACME gloss white paint)	<u>NSN</u> <u>or</u> <u>Part #</u> (if applicable)	<u>Container</u> <u>Type</u> (can, tube, drum, bag, etc)	<u>Container</u> <u>Size</u> (LB, OZ, GL, PT, QT, LT, KG)	<u>Number of</u> <u>Containers</u> <u>Used This</u> <u>Reporting</u> <u>Period</u>

Page ____ of ____

Natural Infrastructure (366 CES/CEAN) - Preconstruction Checklist		page 1 of 2		
Project Name:		OPR: 366 CES/CEV		
Project Number:		Date:		
#	ITEM	Yes	No	N/a
1	SPILL REPORTING: Call 911 if using a Base phone line (call 828-1117 if using a cell phone) in the event of a chemical spill or release of all Hazardous Materials. All spills shall be reported regardless of size or if cleaned up. Also notify 366 CES/CEAN at 828-6351.			
2	SPILL CLEAN-UP: The contractor is responsible for clean-up of spills. If the spills are not cleaned up to the Government's satisfaction, the Government may charge the contractor for cleanup costs incurred.			
3	GENERAL: Contractor shall comply with all applicable State and Federal environmental laws and regulations, including, but not limited to: the Clean Air Act, the Resource Conservation and Recovery Act, the Clean Water Act, the Occupational Safety and Health Act, and others. Questions concerning compliance with environmental standards may be directed to the 366 CES/CEAN at 828-6351.			
4	HAZARDOUS MATERIALS: Contractor shall submit Material Safety Data Sheets (MSDS) through appropriate channels to the HAZMAT Program Manager (Bldg 1297, 1100 Liberator Ave, Ph 828-6351) for approval prior to bringing material on base. Contractor shall maintain MSDS for all materials for as long as the materials remain on-base. Contractor must handle and store hazardous materials IAW all local, state and federal laws and IAW MHAFFB HAZMAT Monitors Handbook.			
5	HAZARDOUS WASTE: Contractor shall dispose of all hazardous waste off Mountain Home AFB (MHAFFB) in accordance with 40 CFR 260 et seq, unless directed otherwise. Copies of hazardous waste manifests, receiving records, and characterization documents shall be submitted to 366 CES/CEV through appropriate channels for all waste generated on MHAFFB. CEV is the only office authorized to sign hazardous waste manifests as the generator for Haz Waste leaving the Base.			
6	RECYCLING: Contractor Shall coordinate all recycling efforts with 366 CES/CEAN prior to starting the project. Weight tickets must be forwarded to 366 CES/CEAN on a monthly basis and/or end of a short project. Weight estimates are acceptable.			
7	DECONSTRUCTION: Demolition projects must utilize deconstruction practices as much as feasible. All materials removed from facilities prior for re-use must be weighed and weights must be reported to 366 CES/CEAN on a monthly and/or end of project basis			
8	AFFIRMATIVE PROCUREMENT (Green Procurement): Contractor shall purchase environmentally preferable materials containing recycled materials as much as possible in accordance with Executive Order 13423, RCRA Section 6002, and 366 Wing Plan 3213-XX.			
9	NATURAL RESOURCES: The contractor shall not remove, cut, deface, injure, or destroy natural resources including trees, shrubs, especially sagebrush, vines, grasses, or wetlands without permission from the Environmental Flight except as otherwise specified. The contractor shall not disturb or drive through wetland areas, including playas, vernal pools, or slick spots. The contractor shall comply with the Integrated Natural Resource Management Plan. The contractor will complete Natural and Cultural Resource Training provided by CES/CEAN prior to the start of construction.			
10	CULTURAL RESOURCES: The contractor shall comply with MHAFFB's Cultural Resource Management Plan. If cultural resources, including artifacts, either historical or prehistoric, or human remains, are discovered during the course of performance of the contract, the contractor shall stop work immediately, leaving the cultural materials in place, and, through appropriate channels, notify CES/CEAN at 828-6351. Examples of cultural materials include but are not limited to: cans, bottles, arrowheads, ceramics, pottery, military items, papers, wooden artifacts, etc. Any man-made object may be a cultural resource. When Natural and Cultural Training is required by the contract, the contractor shall complete the Natural and Cultural Training, as provided by the CES/CEAN, prior to the start of construction. For questions and concerns call the Cultural Resource Manager at 828-6351.			
11	STORM WATER. On contracts requiring disturbance of 1 or more acres of land, the contractor shall submit copies of the Notice of Intent to 366 CES/CEAN, through appropriate channels, prior to the start of construction. The contractor shall implement adequate erosion control measures as required by the Storm water National Pollution Discharge Elimination System (NPDES) Permit. The contractor shall ensure there are no unauthorized discharges to the storm water system. All discharges to the base sanitary sewer system shall be in accordance with the requirements of the Wastewater Treatment Plant NPDES Permit. For more information call 366 CES/CEAN at 828-6351.			

Environmental Flight - Preconstruction Checklist		page 2 of 2		
#	ITEM	Yes	No	N/a
12	SOLID WASTE: Non-hazardous solid waste shall be disposed of in a permitted off-base landfill in accordance with all posted restrictions and restrictions of this construction contract. All disposals shall be in accordance with the contractor's Waste Disposal and Recycling Plan. All waste loads shall be covered to prevent litter. Prior to the start of construction the contractor shall submit to CES/CEAN a copy of the contractor's Waste Disposal and Recycling Plan.			
13	ASBESTOS: Contractors shall brief all employees including subcontractor's that MHAFFB facilities contain asbestos containing materials (ACM) unless otherwise directed. If asbestos work or abatement is required, the contractor shall conform to 40 CFR Part 61, subpart M; OSHA 1910 and 1926. When required, the contractor shall be responsible to file with EPA and 366 CES/CEAN the 10 day notification (and re-notifications, if applicable) for asbestos work. The notification(s) will be sent to both offices at the same time. ACM can also be encountered in the form of active, or abandoned underground water or sewer lines. These lines may, or may not appear on the contractor's dig permit. See the dig permit instructions for assistance. All contractors must use an approved off-base landfill for asbestos containing materials.			
14	LEAD and LEAD BASED PAINTS: Contractor's shall brief all employees including subcontractor's that MHAFFB facilities contain lead based paint unless otherwise directed. If lead work or abatement is required, the contractor shall conform to 40 CFR 745, subpart L; OSHA 1910 and 1926. When required, the contractor will be responsible to file with EPA and 366 CES/CEAN the 5 day notification for lead work. The notification(s) will be sent to both offices at the same time. Lead containing materials may be considered hazardous waste and will need to be tested in order to determine if it's considered hazardous or solid waste for disposal purposes.			
15	REQUIRED BY CEAN PRIOR TO CONSTRUCTION: <ul style="list-style-type: none"> • NPDES Storm Water – for projects over 1 acre. Copies of NOI and SWPPP • For Rock Crushers, Hot Mix Asphalt Plants, Batch Plants, and Associated Generators, the Contractors must have a processed Idaho Permit for their equipment prior to moving the equipment to the project. – CEV requires copies of all permits and – (after operations begin) copies of all the through-put quantities (include generator hours). 			
16	REQUIRED BY CEAN PRIOR TO ACCEPTANCE OF FINAL DESIGN: (when applicable) <ul style="list-style-type: none"> • A copy of IDEQ project review and IDEQ approval of all water and waste-water projects. • A copy of all checklists submitted to IDEQ for the project design review. The IDEQ Checklists include "Drinking Water Systems", "Drinking Water Pumping Stations", "Storage Reservoir Designs" "Wastewater Collection Systems", "Wastewater Pumping Stations", "Well Construction Designs", "Well house & Equipment Designs", "Well Site Evaluations". 			
17	AIR QUALITY: <ul style="list-style-type: none"> • The contractor must control dust particles, aerosols, and gaseous by-products from construction and demolition activities, processing, and preparation of materials at all times, including weekends, holidays, and hours when work is not in progress. • Control hydrocarbons and carbon monoxide emissions from equipment to Federal and Idaho State allowable limits at all times. • In addition, the contractor is required to use low-noise emission equipment and products certified by the EPA to the maximum extent possible. • Class I Ozone Depleting Substances are prohibited and substitutes for Class II Ozone Depleting Substances shall be used whenever technically and economically feasible. • Burning without the consent of the CO and CEAN is prohibited. 			

QAE or COR SIGNATURE: _____ DATE: _____

CONTRACTOR'S SIGNATURE: _____ DATE: _____

PROJECT CHECKLIST For ENVIRONMENTAL CONCERNS

Project Manager _____ Date _____

Project # / Title _____

For assistance and coordination please contact

366 CES/CEV ENVIRONMENTAL FLIGHT (208-828-6351)

This checklist is designed to assist project managers and designers on identifying environmental concerns that may apply to a project. The checklist covers **Compliance and P2 (CEVC/P)**, Conservation (CEVA), and **Restoration (CEVR)** concerns.

Please check the appropriate box(s) and coordinate with the applicable environmental protocol manager.

Yes No

Environmental Concern

CEVC/P

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Will there be any air emissions including dust, heavy equipment, and painting?
This also applies to any new emission sources. (Air Quality) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will there be any portable material processing plants including localized
generators? (Air Quality) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will there be any radioactive materials? (Air Quality/Haz-Waste) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will any Halon or Ozone depleting substances (ODS) being used or removed?
(Air Quality) |
| <input type="checkbox"/> | <input type="checkbox"/> | Are the materials used in the project eligible for Green Procurement? (Pollution
Prevention) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will there be demolition and/or renovation of lead and/or asbestos materials?
(LBP/Asbestos) |
| <input type="checkbox"/> | <input type="checkbox"/> | Are any Hazardous/EPCRA Materials to be used or recovered? (Haz-Mat) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will any Hazardous Materials be stored on base? (Haz-Mat) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will any flammable liquids be used or stored on base? (Haz-Mat) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will any Hazardous Waste be generated, as detailed in 40 CFR 261? If you are
unsure, check "yes". (Haz-Waste) |
| | | <u>Note:</u> Use of these materials typically generate hazardous wastes: paints,
cleaners (any type), solvents, thinners, sealants/adhesives, gasoline or
similar type fuel |
| <input type="checkbox"/> | <input type="checkbox"/> | Will any spill containment be needed? (Haz-Waste/Haz-Mat/Spills) |
| <input type="checkbox"/> | <input type="checkbox"/> | Will there be any non-hazardous material disposed of? (Solid Waste/Recycling) |
| <input type="checkbox"/> | <input type="checkbox"/> | Can any material be recycled or reused? (Solid Waste/Recycling) |

- ☐ ☐ Will POL tanks be removed or installed? (Tanks/POL)
- ☐ ☐ Will the project disturb a land area of a 1 acre or more? (Water Quality)
- ☐ ☐ Will any drinking water and/or wastewater components be installed or used? (Water Quality)
- ☐ ☐ Is the project within 50 feet of a production well? (Water Quality)

CEVA

- ☐ ☐ Are any historical sites involved, or buildings 45 years old or older? (Cultural Resources)
- ☐ ☐ Are any wetland areas, including playas, vernal pools, or slickspots involved? (Natural Resources)
- ☐ ☐ Is there sagebrush or other native plants in the project area? (Natural Resources)
- ☐ ☐ Are any large trees on site? Will the project compact soil or otherwise interfere with the root zone? (Natural Resources)
- ☐ ☐ Are endangered or threatened species located near the project area? Any raptors, burrowing owls, or other protected birds? (Natural Resources)

CEVR

- ☐ ☐ Are any IRP sites involved? (IRP)
- ☐ ☐ Are any monitoring wells within 50 feet of the project site? (IRP)
- ☐ ☐ Will project involve removal or disturbance of soils? (IRP)
- ☐ ☐ Does the project involve the drilling of wells to the regional aquifer? (IRP)